

ESTIMATE OF PRODUCTION OF NAVAL
AND MERCHANT VESSELS IN THE USSR
1957, 1958, and 1959

EIC-SSC-WP4

July 1959

Subcommittee on Shipbuilding
of the
Economic Intelligence Committee

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FOREWORD

The Subcommittee on Shipbuilding of the Economic Intelligence Committee intends to publish annually an estimate of Soviet production of vessels covering a continuous 3-year period ending with the current year. All estimates are agreed to by each intelligence component having representation in the Subcommittee on Shipbuilding.

This report is the first annual publication and covers the years 1957, 1958, and 1959.

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~~SECRET~~ESTIMATE OF PRODUCTION OF NAVAL AND MERCHANT VESSELS IN THE USSR1957, 1958, and 1959*General

Production of naval and merchant vessels is given in this report in the following two categories: (1) number and tonnage of vessels completed during the year and (2) tonnage produced during year. The vessels listed under the heading Completed are considered to have been delivered by a shipyard complete and ready for service, although in the case of naval vessels they may not yet have been commissioned by the navy. The amount of tonnage produced during the year is the part of a vessel or vessels completed during the calendar year. This amount is determined by prorating the light ship weight of the vessel over the required production time in months.

For all vessels considered in this report tonnage figures are given in tons (2,240 pounds) of light ship weight, and for merchant ships gross register tons also are reported.

Because of the lack of sufficient information to permit listing of individual types and classes of fishing and of inland ships, a summary report of production estimates is included herein. The methodology used to determine these estimates may be found in the reports referred to on the summary sheets.

Submarines

Estimates of production of the Q, W, and F classes are included herein, but lack of sufficient information precludes estimates of number and tonnage of nuclear-powered and missile launching submarines.

An increasing amount of evidence indicates that construction of nuclear-powered submarines may have been under way for some time. Shipyards No. 402 at Severodvinsk and No. 199 at Komsomol'sk are suspected of participation in this program. These shipyards have adequate facilities and their location provides maximum security. In addition, these yards have access to the open seas through Soviet controlled waters. Naval shipbuilding in the USSR has been sharply reduced since 1956. Most of the principal shipyards that have not been engaged in a program for naval construction since that time have been actively engaged in production of merchant vessels. Production of merchant vessels in Shipyards No. 402 and No. 199 has been exceptionally low in relation to facilities. This relationship, in the light of available evidence, indicates a naval construction program which could include nuclear-powered submarines.

Based on various reports and including the information that preparations for serial production of submarines began in shipyard No. 402 at Severodvinsk in 1954, it is generally believed that this shipyard is the lead yard in the production of nuclear-powered submarines.

It is quite probable that a prototype of a nuclear submarine was produced in early 1957 and that the first serially-constructed submarines were produced in late 1958.

* Estimates and conclusions used in this report are based on information available as of 1 July 1959.

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COUNTRY: USSR

NAVAL VESSEL PRODUCTION: 1957

Type	Completed					Under Construction At Year End	Produced During Year	Remarks
	No.	January - June Light Ship Tons (English)	No.	July - December Light Ship Tons (English)	No.	Total Light Ship Tons (English)		
<u>SURFACE VESSELS</u>								
DD Kotlin & Kildin	4	10,800	6	16,200	10*	27,000	13,090	*Kotlin Class
DE Riga	2	1,480			2	1,480	Neg.	Program terminated.
MSF T-43	13	6,500	13	6,500	26	13,000	13,000	Program terminated.
ACS Liban	8	2,230	8	2,230	16	4,460	4,460	Program terminated.
MSI Sasha	9	2,010	9	2,010	18	4,020	4,020	
PC Kronshtadt	12	3,350	12	3,350	24	6,700	6,700	Program terminated.
PT-PTC P-4, P-6, P-8, P-10 MO-VI	57	2,850	58	2,900	115	5,750	5,750	
AS (?) V-510	105	29,220	106	33,190	211	62,410	6,000	New Program (1956).
<u>TOTAL SURFACE VESSELS</u>							53,020	
<u>SUBMARINES</u>								
Q-Class	5	2,350			5	2,350	2,350	Program terminated.
W-Class	18	13,500			18	13,500	13,500	Program terminated.
F-Class							1,660	New Program.
Others**	23	15,850			23	15,850	17,510	**New programs believed underway including nuclear-powered sub-marines, number and tonnage not available.
<u>TOTAL SUBMARINES</u>								
	128	45,070	106	33,190	234	78,260	70,530	
<u>GRAND TOTAL</u>								

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COUNTRY: USSR

NAVAL VESSEL PRODUCTION, 1958

Type	Completed					Under Construction		Produced During Year	Remarks
	No.	January - June Light Ship Tons (English)	No.	July - December Light Ship Tons (English)	No.	Total Light Ship Tons (English)	No.		
<u>SURFACE VESSELS</u>									
DD Kotlin & Kildin	2	5,400	3	8,100	5*	13,500	3	5,496	*Includes 4 Kildin Class. New Program.
MSF T-58			4	2,000	4	2,000	NA	2,000	
MSI Sasha	12	2,680	12	2,680	24	5,360	NA	5,360	
PC Kronshtadt (Imp.)	18	5,020	18	5,020	36	10,040	NA	10,040	New Program.
PT-PTC P-4, P-6, P-8, P-10	57	2,850	58	2,900	115	5,750	NA	5,750	
MO-VI AS (?)									
V-510			2	14,000	2	14,000	NA	4,000	
TOTAL SURFACE VESSELS	89	15,950	97	34,700	186	50,650	-	32,646	
<u>SUBMARINES</u>									
F-Class			3	4,980	3	4,980	4	6,840	**New programs believed underway including nuclear-powered submarines, number and tonnage not available.
Others**							-		
TOTAL SUBMARINES									
GRAND TOTAL	89	15,950	100	39,680	189	55,630	-	39,486	

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COUNTRY: USSR

NAVAL VESSEL PRODUCTION 1952

Type	Completed					Under Construction At Year End No.	Produced During Year Light Ship Tons (English)	Remarks
	January - June		July - December		Total Light Ship Tons (English)			
	No.	Light Ship Tons (English)	No.	Light Ship Tons (English)				
<u>SURFACE VESSELS</u>								
DD Kildin			2	5,400	2	1	1,810	
MSF T-58	12	6,000	12	6,000	24	NA	12,000	
MSI Sasha	12	2,680	12	2,680	24	NA	5,360	
PC Kronshtadt (Imp.)	18	5,020	18	5,020	36	NA	10,040	
PT-ETC P-4, P-6, P-8, P-10, MO-VI	57	2,850	58	2,900	115	NA	5,750	
TOTAL SURFACE VESSELS	99	16,550	102	22,000	201		34,960	
<u>SUBMARINES</u>								
F-Class	2	3,320	3	4,980	5	NA	4,780*	
Others**								
TOTAL SUBMARINES	2	3,320	3	4,900	5		4,780	
GRAND TOTAL	101	19,870	105	26,980	206	-	39,740	

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*Based on 8 completions.
 **New programs believed underway including nuclear-powered submarines, number and tonnage not available.

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COUNTRY: USSR

MERCHANT VESSEL PRODUCTION: 1957

Type	Completed			Under Construction At Year End No.	Produced During Year			Remarks
	No.	Tons (English)			Tons (English)	Light Ship	Gross Register	
		Light Ship	Gross Register					
MARITIME								
Tanker								
Kazbek Class	12	56,880	98,760	6	38,070	66,050		Total vessels completed - 48.
Pekin Class				1	1,530	3,120		New program.
Oleg Koshevoi Class	4	7,160	11,800	4	6,860	11,300		Total vessels completed - 10.
Kobhi Class	8	5,600	6,460	NA	5,600	6,460		Total vessels completed - 26.
Total Tanker		69,640	117,020		52,060	86,930		
Cargo								
Ges Class	3	9,480	16,480	4	3,450	6,000		Total vessels completed - 6; program terminated.
Leninskly Komsomol Class					3,730	7,550		New Program.
Total Cargo	3	9,480	16,480		7,180	13,550		
Refrigerator								
Akt'yubinsk Class	7	28,560	36,520	7	23,260	29,700		Total vessels completed - 10.
Passenger								New Program.
Zabaykal'ye Class	1	3,790	4,330	1	2,240	2,560		
Icebreaker								
Lenin Class				1	4,830	4,400		
Water Carrier								
Oleg Koshevoi	1	1,790	2,950	1	2,090	3,440		
Tugs	NA	15,000	13,500	NA	15,000	13,500		
Barges	NA	1,000	5,000	NA	1,000	5,000		
Misc. coastal and other self-propelled	NA	4,000	5,330	NA	4,000	5,330		
GRAND TOTAL		133,260	201,130		111,660	164,410		

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COUNTRY: USSR

MERCHANT VESSEL PRODUCTION 1957

Type	Completed			Under Construction At Year End		Produced During Year			Remarks
	No.	Tons (English) Light Ship	Gross Register	No.		Tons (English) Light Ship	Gross Register		
<u>FISHING</u>									
Fishing Vessels *	NA	45,810	40,900	NA		41,140	36,730		Includes tenders, trawlers, seiners, luggers, cutters, barges, etc.
Whale Factory Vessels									
Whale Catchers	7	6,580	5,880	1		6,120	7,270		
Fish Factory Trawlers				10		6,600	5,880		
				3		3,050	4,170		
<u>GRAND TOTAL</u>		52,390	46,780			56,910	54,050		
<u>INLAND **</u>									
Self-propelled Vessels	X	Horsepower	X	X		Horsepower	X		Includes tugs, passenger, cargo, tankers, etc.
		99,500				99,500			
	X	DWTCC**	X	X		DWTCC**	X		
Non-self-propelled Vessels									
Steel		216,800				216,800			* See CIA Report CIA/RR 129, 7 Apr 58, Construction and Imports of Vessels for the Fishing Fleets of the USSR, 1950-60. ** See CIA Report CIA/RR 116, 13 Dec 57, Construction and Imports of Vessels for the Inland Fleet of the USSR, 1950-60. *** Deadweight tons cargo capacity.
Wooden		138,200				138,200			
<u>TOTAL</u>		355,000				355,000			

* See CIA Report CIA/RR 129, 7 Apr 58,
Construction and Imports of Vessels for
the Fishing Fleets of the USSR, 1950-60.
** See CIA Report CIA/RR 116, 13 Dec 57,
Construction and Imports of Vessels for the
Inland Fleet of the USSR, 1950-60.
*** Deadweight tons cargo capacity.

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COUNTRY: USSR

MERCHANT VESSEL PRODUCTION: 1979

Type	Completed			Under Construction At Year End	Produced During Year			Remarks
	No.	Tons (English) Light Ship	Gross Register		No.	Tons (English) Light Ship	Gross Register	
<u>MARITIME</u>								
<u>Tanker</u>								
Kazbek Class	5	23,700	41,150	5		21,070	36,550	Total vessels completed - 53.
Bekin Class				2		5,000	10,210	
Oleg Koshevoi Class	4	7,160	11,800	4		7,160	11,800	Total vessels completed - 14.
Kobhi Class	6	4,200	4,850	NA		4,200	4,850	Total vessels completed - 31.
<u>Total Tankers</u>	15	35,060	57,800			37,430	63,410	
<u>Cargo</u>								
Leninskiy Komsomol Class				9		15,160	30,720	
<u>Refrigerator</u>								
Aktubinsk Class	4	16,320	20,870	5		15,960	20,010	Total vessels completed - 14.
<u>Passenger</u>								
Zabaykal'ye Class	1	3,790	4,330	NA		1,550	1,780	Total vessels completed - 2.
Kirgizstan Class				2		1,500	1,600	New program.
<u>Total Passenger</u>	1	3,790	4,330			3,050	3,380	
<u>Icebreaker</u>								
Lenin Class				1		4,830	4,400	
<u>Water Carrier</u>								
Oleg Koshevoi Class	1	1,790	2,950	1		1,790	2,950	
<u>Car Ferry</u>								
Caspian Class				1		1,130	2,020	New program.
<u>Tugs</u>								
	NA	15,000	13,500	NA		15,000	13,500	
<u>Barges</u>								
	NA	1,000	5,000	NA		1,000	5,000	
<u>Misc. coastal and other self-propelled</u>								
		1,750	2,330	NA		1,750	2,330	
<u>GRAND TOTAL</u>		74,710	106,780			97,100	147,720	

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COUNTRY: USSR

INLAND VESSEL PRODUCTION

Type	Completed			Under Construction At Year End		Produced During Year			Remarks
	No.	Tons (English) Light Ship	Gross Register	No.		Tons (English) Light Ship	Gross Register		
<u>FISHING</u>									
Fishing Vessels *	NA	27,820	24,840	NA		27,080	24,180		Includes tenders, trawlers, seiners, luggers, cutters, barges, etc.
Whale Factory Vessels	10	9,740	8,400	1		6,120	7,270		
Whale Catchers				NA		7,700	6,930		
Fish Factory Trawlers	8	18,560	25,360	5		19,350	26,020		
<u>GRAND TOTAL</u>		56,120	58,600			60,250	64,400		
<u>INLAND **</u>									
Self-propelled Vessels	X	Horsepower	X	X		Horsepower	X		Includes tugs, passenger, cargo, tankers, etc.
		115,100				115,100			
	X	DWTCC***	X	X		DWTCC***	X		
Non-self-propelled Vessels									
Steel		170,600				170,600			
Wooden		124,400				124,400			
<u>TOTAL</u>		295,000				295,000			

* See CIA Report CIA/RR 129, 7 Apr 58, Construction and imports of vessels for the Fishing Fleets of the USSR 1950-60.

** See CIA Report CIA/RR 116, 13 Dec 57, Construction and imports of vessels for the Inland Fleet of the USSR, 1956-60.

*** Deadweight tons cargo capacity.

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MERCHANT VESSEL PRODUCTION: 1959

COUNTRY: USSR

Type	Completed			Under Construction At Year End	Produced During Year			Remarks
	No.	Tons (English)			No.	Tons (English)		
		Light Ship	Gross Register			Light Ship	Gross Register	
<u>MARITIME</u>								
<u>Tanker</u>								
Kazbek Class	4	18,960	32,920	1	12,880	22,340		Total Vessels Completed - 57.
Pekin Class	1	9,160	18,750	2	8,040	16,480		Total Vessels Completed - 18.
Oleg Koshevoi Class	4	7,160	11,800	4	7,160	11,800		Total Vessels Completed - 32; program believed terminated.
Kobhi Class	1	700	810	-	700	810		
<u>Total Tanker</u>	<u>10</u>	<u>35,980</u>	<u>64,280</u>	<u>7</u>	<u>28,780</u>	<u>51,430</u>		
<u>Cargo</u>								
Leninskiy Komsomol Class	3	17,880	36,270	8	22,370	45,290		
<u>Refrigerator</u>								
Aktubinsk Class	3	12,240	15,650	4	11,740	15,000		Total vessels completed - 17.
<u>Passenger</u>								
Kirgizatan				4	3,800	4,040		
<u>Icebreaker</u>								
Lenin Class	1	14,500	13,000	-	2,420	2,200		
<u>Water Carrier</u>								
Oleg Koshevoi Class	1	1,790	2,950	-	900	1,480		
<u>Car Ferry</u>								
Caspian Class	1	2,550	4,550	1	2,130	3,820		
<u>Tugs</u>								
	-	15,000	13,500	-	15,000	13,500		
<u>Barges</u>								
	-	1,000	5,000	-	1,000	5,000		
<u>Misc. coastal and other self-propelled</u>								
	-	3,000	4,000	-	3,000	4,000		
<u>GRAND TOTAL</u>		<u>103,940</u>	<u>159,200</u>	<u>-</u>	<u>91,140</u>	<u>145,760</u>		

COUNTRY: USSR

MERCHANT VESSEL PRODUCTION: 1952

Type	Completed			Under Construction At Year End		Produced During Year			Remarks
	No.	Tons (English)		No.		Tons (English)			
		Light Ship	Gross Register			Light Ship	Gross Register		
FISHING	NA	34,350	30,670	NA		34,350	30,670	Includes tenders, trawlers, seiners, luggers, barges, etc.	
	1	16,830	20,000	1		11,760	13,970		
	7	6,580	5,880	7		6,580	5,880		
	9	20,880	28,530	5		20,880	28,530		
		78,640	85,080			73,570	79,050		
GRAND TOTAL									
INLAND	X	Horsepower	X	X		Horsepower	X	Includes tugs, passenger, cargo, tankers, etc.	
		130,700				130,700			
	X	DWTCC***	X	X		DWTCC***	X		
Non-self-propelled Vessels								* See CIA Report CIA/RR 129, 7 Apr 58, Construction and imports of vessels for the fishing fleets of the USSR 1950-60	
		148,000				148,000			
		112,000				112,000			
		260,000				260,000			
TOTAL									
** See CIA Report CIA/RR 116, 13 Dec 57, construction and imports of the vessels for the Inland Fleet of the USSR, 1956-60.									
*** Dead weight tons cargo-capacity.									

* See CIA Report CIA/RR 129, 7 Apr 58, Construction and imports of vessels for the fishing fleets of the USSR 1950-60

** See CIA Report CIA/RR 116, 13 Dec 57, construction and imports of the vessels for the Inland Fleet of the USSR, 1956-60.

*** Dead weight tons cargo-capacity.